

SMAQMD  
AREA SOURCE SUMMARY - SACRAMENTO COUNTY

**Section 2.2**

**Fuel Combustion - Oil and Gas Production**

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Date: August 10, 2000

**EMISSION INVENTORY SOURCE CATEGORY**

Oil and Gas Production Combustion

**EMISSION INVENTORY CODES (CES CODES) AND DESCRIPTION**

030-060-1210-0000 (82198) - Drilling Rigs

030-065-1210-0000 (82321) - Workover Rigs

**METHOD SUMMARY**

Drilling Rigs and workover rigs should be accounted under portable equipment inventory. Therefore, the inventory for this area source should be zeroed.

*From previous update:*

*Drilling Rigs:*

*In Sacramento County there is only gas well drilling, no oil well drilling. Emissions from drilling rigs are from the diesel oil combustion by the IC engines which drive the drawworks, mud pumps and the light house. The Division of Oil & Gas was contacted to obtain the number of gas wells drilled in 1996<sup>1</sup>. The emission factors are based on a District's Authority to Construct (A/C 9499)<sup>2</sup> evaluation for Hexadyne Drilling Corporation, which is assumed to be a typical gas well drilling operation. From the evaluation, at each gas well drilling site, the rig operates 2 weeks, 24 hours/day, 7 days/week. The daily emissions were: PM = 27.0 lbs/day; CO = 70.2 lbs/day; SO<sub>x</sub> = 32.4 lbs/day; HC = 7.6 lbs/day; NO<sub>x</sub> = 203.7 lbs/day.*

*Workover Rigs:*

*Combustion emissions from workover rigs are from rework or well maintenance operation. No data is available on workover rigs. Assumed negligible operation.*

ACTIVITY DATA SOURCE: Not applicable

EMISSION FACTOR SOURCE: Not applicable

TEMPORAL DATA:

Daily Activity: Not applicable

Weekly Activity: Not applicable

Monthly Activity: Not applicable

DATE OF THE LAST UPDATE: September 4, 1997.

GROWTH PARAMETER: Not applicable

**EMISSION SUMMARY (1999 - ANNUAL AVERAGE TONS/DAY) RECONCILED**

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<u>CES#</u>	<u>TOG</u>	<u>ROG</u>	<u>CO</u>	<u>NOX</u>	<u>SOX</u>	<u>PM</u>	<u>PM10</u>
82198	0.00	0.00	0.00	0.00	0.00	0.00	0.00
82321	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**NEEDED CLARIFICATIONS/CORRECTIONS TO CURRENT METHOD**

Need to contact CARB to verify that this is in portable equipment inventory.

**FUTURE PLANS FOR METHOD UPDATE/REVISION**

None.